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Code:

Specifications

AC power supply

Installation category	CAT III 300/520 Vac
Consumption	4.2 VA
Frequency	50...60Hz
Nominal voltage	400 Vc.a.(-15...+10%)

Mechanical characteristics

Size (mm) width x height x depth	196 x 110 x 46 (mm)
Envelope	Self-extinguishing V0 plastic
Weight (kg)	0,33

Environmental characteristics

Protection class	IP 20
Relative humidity (without condensation)	5...95%
Working temperature	-10...+50 °C

Standards

Certifications	UL, VDE
Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300V / 520V, IEC 61010
Standards	IEC 664, UL 94, VDE 0414, VDE 0110, UL 94, IEC 801, IEC 348, IEC 571- 1, EN 61000-6-3, EN 61000-6-1, EN-61010-3

Current measurement circuit

Nominal current (In)	500 A
Phase current measuring range	10...100%
Permanent overload	1.2 In

Voltage measurement circuit

Frequency measuring range	45...65 Hz
Nominal voltage	300V Ph-N, 520V Ph-Ph
Insulation voltage	3 kV~
Maximum input voltage consumption	0,75 VA

Electrical characteristics

Insulation voltage, circuit	3 kVc.a.

Electrical safety

Insulation	Double-insulated electric shock protection class II (IEC 61010-1)

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Code:

Measurement accuracy

Power factor measurement	0,5...1
Phase voltage measurement	0.5 % ±2 digits

Serial communication

Technology / Type	RS-485

It requires the following in the case of three-phase systems: 1 Power Net xx-xxx + 2 TC-Power Net xx-xxx. The Power Net system is based on the installation of a master unit (Power Net), with which the measurement is taken in the 3 voltage and neutral phases, and the L1 current is measured. To measure current L2 and L3, install 2 TC-Power Net units connected to the master unit. They feature RS-485 communications, using the Modbus/RTU protocol.

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